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COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 19 December 1978 from the Permanent Mission of the Union of Soviet Socialist Republics to the United Nations addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article IV of the 1976 Convention on Registration of Objects Launched into Outer Space, has the honour to transmit herewith information concerning space objects launched into earth orbit or beyond by the Union of Soviet Socialist Republics during July and August 1978 and concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN JULY 1978

I. In July 1978, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1267	Cosmos-1026	2 July	261	209	51.8	89.0	Investigation of the upper atmosphere and outer space
1268	Progress-2	7 July	262	193	51.6	88.7	Delivery of fuel, consumable materials and equipment to the Salyut-6 station
1269	Molniya-1	14 July	40 660	650	62.8	737	Operation of the long-range telephone and telegraph radiocommunication system in the USSR and transmission of USSR central television programmes to stations in the Orbita network
1270	Raduga	19 July	36 590	36 590	0.5	1 478	Provision of uninterrupted round-the-clock telephone and telegraph radio-communication in the USSR and simultaneous transmission of colour and black-and-white USSR central television programmes to stations in the Orbita network
1271	Cosmos-1027	27 July	1 015	979	82.9	104.7	Investigation of the upper atmosphere and outer space

All objects were launched from the territory of the USSR.

II. The following space objects ceased to exist in July 1978 and were no longer in earth orbit at 2400 hours Moscow time, 31 July:

Cosmos-868 (1976-113A)

Soyuz-30 (1978-065A)

Cosmos-1026 (1978-069A)

(Signed) B. N. PETROV
Academician,
Chairman of the Intercosmos Council
of the Academy of Sciences of the USSR

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REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN AUGUST 1978

I. In August 1978, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1272	Cosmos-1028	5 August	272	182	67.1	88.7	Investigation of the upper atmosphere and outer space
1273	Progress-3	8 August	249	195	51.6	88.7	Delivery of fuel, consumable materials and equipment to the Salyut-6 station
1274	Molniya-1	23 August	40 788	480	62.8	726	Operation of the long-range telephone and telegraph radiocommunication system in the USSR and transmission of USSR central television programmes to stations in the Orbita network
1275	Soyuz-31	26 August	326	271	51.6	90.2	Delivery to the Salyut-6 station of the third international "Intercosmos" team consisting of V. F. Bykovsky (USSR) and S. Jähn (German Democratic Republic) to carry out scientific research and experiments
1276	Cosmos-1029	29 August	353	186	62.8	89.6	Investigation of the upper atmosphere and outer space

All objects were launched from the territory of the USSR.

II. The following space objects ceased to exist in August 1978 and were no longer in earth orbit at 2400 hours Moscow time, 31 August:

Molniya-2 (1973-045A)

Cosmos-822 (1976-049A)

Cosmos-919 (1977-051A)

Progress-2 (1978-070A)

Progress-3 (1978-077A)

(Signed) B. N. PETROV
Academician,
Chairman of the Intercosmos Council
of the Academy of Sciences of the USSR

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COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON
REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 15 January 1979 from the Permanent Representative of the United States of America to the United Nations addressed to the Secretary-General

The Representative of the United States of America presents his compliments to the Secretary-General of the United Nations and has the honour to enclose registration data for the period of June, July, August and September 1978 concerning objects launched into orbit or beyond by the United States. This submission is in accordance with the 1975 Convention on Registration of Objects Launched into Outer Space.

REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements the registration data for the United States Space Launches as of June 30, 1978

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (kms.)	Perigee (kms.)	General Function of Space Object
New Objects in Orbit						
1978-058A	Jun 10	1446.25	12.004	42038.83	29929.04	Spacecraft engaged in investigation of spaceflight techniques and technology
1978-058B	Jun 10	1446.25	12.004	42038.83	29929.04	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-060A	Jun 14	91.8	96.9	514	225	Spacecraft engaged in investigation of spaceflight techniques and technology
1978-060B	Jun 14	91.7	96.9	499	227	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-062A	Jun 16	649.0	23.9	36709	791	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-062B	Jun 16	108.1	28.4	1729	552	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-062C	Jun 16	657.4	23.7	37146	183	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-064A	Jun 27	100.4	108.0	791	763	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-068A	Jun 29	629.9	21.8	35852	550	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-068B	Jun 29	655.2	21.8	36650	571	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

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The following objects not previously reported have been identified since the last report

1977-053B	Jun 23	327.7	63.4	18477	263	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1977-108C	Nov 23	485.6	26.9	27983	190	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

The following objects achieved orbit since the previous report but are no longer in orbit as of 2400Z on June 30, 1978:

1978-058C
1978-060C
1978-060D
1978-060E
1978-060F

The following object was no longer in orbit as of 2400Z on June 30, 1978: 1976-089B

SUPPLEMENTAL INFORMATION

Amend May submission to include:

The following objects were no longer in orbit as of 2400Z on May 31, 1978:

1965-082CH
1965-082QB
1965-082SX
1965-082UJ
1965-082FZ
1975-004CS
1975-004EP
1969-082JG

.../

REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements the registration data for the United States Space Launches as of July 31, 1978

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (kms.)	Perigee (kms.)	General Function of Space Object
New Objects in Orbit						
1978-071B	Jul 14	123.9	28.0	3542	165	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-071C	Jul 14	635.4	25.7	35978	229	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on July 31, 1978: 1961-0M1-024
1965-082NC
1965-082RP
1968-005D
1969-082FG
1969-082GG
1969-082GW
1969-082KK
1972-058DC
1972-058DU
1972-058-GF
1972-058HN
1975-004AC
1975-004FM
1975-004GX
1976-089B
1978-060B

SUPPLEMENTAL INFORMATION:

Amend June submission to include:

The following objects were no longer in orbit as of 2400Z on June 30, 1978: 1970-025GV
1975-004EA
1975-004GN
1977-065EG

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REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements the registration data for the United States Space Launches as of August 31, 1978

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (kms.)	Perigee (kms.)	General Function of Space Object
New Objects in Orbit						
1978-075A	Aug 5	697.12	62.511	39052.68	314.86	Spacecraft engaged in investigation of spaceflight techniques and technology
1978-075B	Aug 5	697.12	62.511	39052.69	314.86	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-078A	Aug 8	TRANS-VENUS TRAJECTORY				
1978-078B	Aug 8	HELIOCENTRIC ORBIT				
1978-079A	Aug 12	67852.9	1.0	108920	181	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-079B	Aug 12	101.3	28.7	146	17	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-079C	Aug 12	CURRENT ELEMENTS NOT MAINTAINED				Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following object achieved orbit since the previous report but was no longer in orbit as of 2400Z on August 31, 1978:						
1978-078B	Aug 8					Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on August 31, 1978: 1970-025FX
1971-060A
1971-109B
1972-058GV
1975-004BX

SUPPLEMENTAL INFORMATION:

Amend March submission to include:

The following objects were no longer in orbit as of March 31, 1978: 1972-058EE
1972-058FY

.../

REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements the registration data for the United States Space Launches as of September 30, 1978

New Objects in Orbit

None

The following objects were no longer in orbit as of 2400Z on September 30, 1978: 1965-009A
1971-083B
1972-005B
1972-058FX

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COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 16 January 1979 from the Permanent Mission of the Union of Soviet Socialist Republics to the United Nations addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article IV of the 1976 Convention on Registration of Objects Launched into Outer Space, has the honour to transmit herewith information concerning space objects launched by the Union of Soviet Socialist Republics during September and October 1978 and concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN SEPTEMBER 1978

1. In September 1978, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1277	Cosmos-1030	6 September	40100	650	62.8	726	Investigation of the upper atmosphere and outer space
1278	Venera-11 1/	9 September	-	-	-	-	Scientific investigation of the planet Venus and interplanetary space
1279	Cosmos-1031	9 September	351	191	62.8	89.6	Investigation of the upper atmosphere and outer space
1280	Venera-12 1/	14 September	-	-	-	-	Scientific investigation of the planet Venus and interplanetary space
1281	Cosmos-1032	19 September	249	218	81.4	88.9	Investigation of the upper atmosphere and outer space

All objects were launched from the territory of the USSR.

Remark: 1/ In addition to Soviet instruments, objects 1278 and 1280 carried scientific apparatus for the investigation of gamma rays developed by specialists of the USSR and France under the Soviet-French programme of co-operation in the study and mastery of outer space for peaceful purposes.

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2. The following space objects ceased to exist in September 1978 and were no longer in earth orbit at 2400 hours Moscow time, 30 September:

Soyuz-29 (1978-061A)

Cosmos-1028 (1978-076A)

Cosmos-1029 (1978-082A)

Cosmos-1031 (1978-085A)

/...

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN OCTOBER 1978

1. In October 1978, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1282	Cosmos-1033	3 October	268	223	81.4	89.1	Investigation of the upper atmosphere and outer space
1283	Progress-4	4 October	266	191	51.7	88.8	Delivery of fuel, consumable materials and equipment to the Salyut-6 station
1284-1291	Cosmos-1034 - Cosmos-1041 1/	4 October	1536	1458	74	115.8	Investigation of the upper atmosphere and outer space
1292	Cosmos-1042	6 October	326	187	62.8	89.3	Investigation of the upper atmosphere and outer space
1293	Cosmos-1043	10 October	650	625	81.1	97.3	Investigation of the upper atmosphere and outer space
1294	Molniya-3	13 October	40825	467	62.8	736	Operation of the long-range telephone and telegraph radiocommunication system in the USSR and transmission of USSR central television programmes to stations in the Orbita network and as a part of international co-operation
1295	Cosmos-1044	17 October	315	211	62.8	89.5	Investigation of the upper atmosphere and outer space
1296	Intercosmos-18 2/	24 October	768	407	83	96.4	Conduct of complex investigations on the interaction between the magnetosphere and ionosphere of the earth
1297	Cosmos-1045 1/	26 October	1724	1688	82.6	120.4	Investigation of the upper atmosphere and outer space
1298 1299	Radio-1 Radio-2						Amateur radiocommunication and scientific and technical experiments and study projects by students at higher educational establishments
1300	Prognoz-7 3/	30 October	202965	483	65	5888	Investigation of the corpuscular and electromagnetic radiation of the sun, of solar plasma fluxes and of the magnetic fields in circumterrestrial space in order to determine the effects of solar activity on the interplanetary medium and the magnetosphere of the earth; investigation of galactic ultra-violet rays, x-rays and gamma rays

All objects were launched from the territory of the USSR.

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(Foot-notes on following page)

Remarks: 1/ Each group of objects (1284-1291 and 1297-1299) was launched by a single carrier rocket.

2/ Object 1296 was launched under the Intercosmos programme by the USSR in co-operation with the Czechoslovak Socialist Republic, the German Democratic Republic, the Hungarian People's Republic, the Polish People's Republic and the Socialist Republic of Romania. On 14 November 1978, Magion, a small Czechoslovak scientific satellite, separated from object 1296.

3/ In addition to Soviet apparatus, object 1300 carried scientific apparatus produced in the USSR, the Czechoslovak Socialist Republic, France, the Hungarian People's Republic and Sweden under programmes of international co-operation in the exploration and use of outer space for peaceful purposes.

2. The following space objects ceased to exist in October 1978 and were no longer in earth orbit at 2400 hours Moscow time, 31 October:

Cosmos-269 (1969-021A)

Cosmos-937 (1977-077A)

Cosmos-1032 (1978-088A)

Cosmos-1033 (1978-089A)

Progress-4 (1978-090A)

Cosmos-1042 (1978-092A)

Cosmos-1044 (1978-097A)

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COMMITTEE ON THE PEACEFUL USES OF
OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 14 March 1979 from the Permanent Mission of the Union of Soviet Socialist Republics to the United Nations addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article IV of the 1976 Convention on Registration of Objects Launched into Outer Space, has the honour to transmit herewith information concerning space objects launched by the Union of Soviet Socialist Republics in November and December 1978 and concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN NOVEMBER 1978

1. In November 1978, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1301	Cosmos-1046	1 November	353	212	72.9	89.9	Investigation of the upper atmosphere and outer space
1302	Cosmos-1047	15 November	378	182	72.9	89.8	Investigation of the upper atmosphere and outer space
1303	Cosmos-1048	17 November	824	788	74	101	Investigation of the upper atmosphere and outer space
1304	Cosmos-1049	21 November	375	183	72.9	89.7	Investigation of the upper atmosphere and outer space
1305	Cosmos-1050	28 November	298	258	62.8	89.8	Investigation of the upper atmosphere and outer space

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in November 1978 and were no longer in earth orbit at 2400 hours Moscow time, 30 November:

Cosmos-933 (1977-070A)
Soyuz-31 (1978-081A)
Cosmos-1046 (1978-102A)
Cosmos-1047 (1978-104A)

.../

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN DECEMBER 1978

1. In December 1978 the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1306-1313	Cosmos-1051-Cosmos-1058*	5 December	1530	1451	74	115.5	Investigation of the upper atmosphere and outer space
1314	Cosmos-1059	7 December	360	188	62.8	89.7	Investigation of the upper atmosphere and outer space
1315	Cosmos-1060	8 December	311	209	65	89.5	Investigation of the upper atmosphere and outer space
1316	Cosmos-1061	14 December	333	211	62.8	89.6	Investigation of the upper atmosphere and outer space
1317	Cosmos-1062	15 December	548	508	74	95.1	Investigation of the upper atmosphere and outer space
1318	Cosmos-1063	19 December	661	632	81.2	97.4	Investigation of the upper atmosphere and outer space

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1	2	3	4	5	6	7	8
1319	Gorizont	19 December	48365	22581	11.3	1420	Operation of telephone and telegraph radio-communications and transmission of television programmes
1320	Cosmos-1064	20 December	991	435	83	98.7	Investigation of the upper atmosphere and outer space
1321	Cosmos-1065	23 December	556	346	50.7	93.4	Investigation of the upper atmosphere and outer space
1322	Cosmos-1066	23 December	908	848	81.2	102.2	Investigation of the upper atmosphere and outer space
1323	Cosmos-1067	26 December	1226	1184	83	109.2	Investigation of the upper atmosphere and outer space
1324	Cosmos-1068	26 December	408	187	62.8	90.2	Investigation of the upper atmosphere and outer space
1325	Cosmos-1069	28 December	290	244	62.8	89.8	Investigation of the upper atmosphere and outer space

* Objects 1306-1313 were launched by a single carrier rocket.

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in December 1978 and were no longer in earth orbit at 2400 hours Moscow time, 31 December:

Cosmos-1049 (1978-107A)
Cosmos-1050 (1978-108A)
Cosmos-1059 (1978-110A)
Cosmos-1060 (1978-111A)
Cosmos-1061 (1978-114A)

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COMMITTEE ON THE PEACEFUL
USES OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 26 April 1979 from the Permanent Mission of the United States of America to the United Nations addressed to the Secretary-General

The representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and has the honour to enclose certain registration data concerning objects launched into orbit or beyond by the United States in October and November 1978. This submission is in accordance with article 4 of the 1975 Convention on Registration of Objects Launched into Outer Space.

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 31 October 1978

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1978-093A	7 Oct	350.5	62.9	10825	86	Spacecraft engaged in investigation of spaceflight techniques and technology
1978-093B	7 Oct	346.4	62.9	19761	165	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1978-096A	13 Oct	102.0	98.9	862	846	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-096B	13 Oct	102.0	98.8	861	851	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1978-096C	13 Oct	102.0	98.9	860	853	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1978-098A	24 Oct	104.0	99.3	953	941	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-098B	24 Oct	104.1	99.3	953	952	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following object not previously reported has been identified since the previous report:						
1977-118D	15 Dec	464.6	28.4	26785	201	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 31 October 1978:

1961-OMI-084	1975-004CZ
1961-OMI-131	1975-004DD
1965-082KW	1977-065R
1965-082MK	1977-065DS
1965-082MU	1977-102C
1965-082NW	1978-029A
1969-082GY	1978-079B

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REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 30 November 1978

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1978-103A	13 Nov	95.4	23.5	547	526	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-103B	13 Nov	92.9	23.4	454	375	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1978-106B	19 Nov	92.1	28.2	582	169	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-106C	19 Nov	634.6	27.1	35981	183	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 30 November 1978:

1972-058CU	1975-004AX
1972-058EC	1975-004AY
1972-058FB	1975-099C
1975-004S	

SUPPLEMENTAL INFORMATION

The following revisions should be made in the report of March 1978:

Item 1978-026B should be listed as:

Spacecraft engaged in practical applications and uses of space technology such as weather or communications

Item 1978-026C should be listed as:

Spacecraft engaged in investigation of spaceflight techniques and technology/ spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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Secretariat

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COMMITTEE ON THE PEACEFUL USES
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ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 26 April 1979 from the Permanent Mission of the Union of Soviet Socialist Republics to the United Nations addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article VI of the 1976 Convention on the Registration of Objects Launched into Outer Space, has the honour to transmit herewith information concerning space objects launched by the Union of Soviet Socialist Republics in January and February 1979, and also concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN JANUARY 1979

1. In January 1979 the following space objects were launched by the USSR:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1326	Cosmos-1070	11 January	316	214	62.8	89.5	Investigation of the upper atmosphere and outer space.
1327	Cosmos-1071	13 January	360	190	62.8	89.7	Investigation of the upper atmosphere and outer space.
1328	Cosmos-1072	16 January	1030	983	83	105	Investigation of the upper atmosphere and outer space.
1329	Molniya-3	18 January	40806	474	62.8	736	Operation of the long-range telephone and telegraph radio-communications system in the USSR, transmission of USSR central television programmes to stations in the Orbita network and within the framework of international co-operation.
1330	Meteor*	25 January	656	628	98	97.4	Obtaining information needed for research into the natural resources of the earth and the development of methods for remote sensing of the underlying surface, and obtaining meteorological information.
1331	Cosmos-1073	30 January	350	187	62.8	89.6	Investigation of the upper atmosphere and outer space.
1332	Cosmos-1074	31 January	258	203	51.6	88.8	Investigation of the upper atmosphere and outer space.

All objects were launched from the territory of the USSR.

Remark: * In addition to Soviet apparatus, object 1330 carried scientific apparatus from the German Democratic Republic.

/...

2. The following space objects ceased to exist in January 1979 and were no longer in earth orbit at 2400 hours Moscow time, on 31 January 1979:

Cosmos-1068/1978-123A
Cosmos-1069/1978-124A
Cosmos-1070/1979-001A
Cosmos-1071/1979-002A

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN FEBRUARY 1979

21. In February 1979 the following space objects were launched by the USSR:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1333	Cosmos-1075	8 February	521	475	65.8	94.6	Investigation of the upper atmosphere and outer space.
1334	Cosmos-1076	12 February	678	647	82	97	Development of methods for obtaining operational information on the Pacific Ocean.
1335	Cosmos-1077	14 February	651	629	81.2	97.3	Investigation of the upper atmosphere and outer space.
1336	Ekran	21 February	35780	35780	0.35	1436	Transmission of colour and black-and-white USSR central television programmes to a network of receivers for collective use.
1337	Cosmos-1078	22 February	306	180	72.9	89	Investigation of the upper atmosphere and outer space.
1338	Soyuz-32	25 February	283	244	51.6	89.6	Transport of a team consisting of V. A. Lyakhov and V. V. Ryumin to the Salyut-6 space station to conduct scientific investigations and experiments and repair work.

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REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR
IN FEBRUARY 1979 (continued)

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1339	Cosmos-1079	27 February	359	179	67.1	89.6	Investigation of the upper atmosphere and outer space.
1340	Intercosmos-19*	27 February	996	502	74	99.8	Comprehensive investigation of the structure of the earth's ionosphere, the characteristics of wave processes and the propagation of radio waves in the ionospheric plasma.

All objects were launched from the territory of the USSR.

Remark: * Object 1340 was launched under the Intercosmos programme by the USSR in co-operation with the People's Republic of Bulgaria, the Czechoslovak Socialist Republic, the Hungarian People's Republic and the Polish People's Republic.

2. The following space objects ceased to exist in February 1979 and were no longer in earth orbit at 2400 hours Moscow time, on 28 February:

Cosmos-461/1971-105A
Cosmos-1073/1979-006A

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COMMITTEE ON THE PEACEFUL USES
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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 29 May 1979 from the Permanent Representative of the United States of America to the United Nations addressed to the Secretary-General

The Representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and has the honour to enclose certain registration data concerning objects launched into orbit or beyond by the United States in December 1978 and January and February 1979. This submission is in accordance with article 4 of the 1975 Convention on Registration of Objects Launched into Outer Space.

REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements the registration data for the United States Space Launches as of December 31, 1978

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (kms)	Perigee (kms)	General Function of Space Object
New Objects in Orbit						
1978-112A	Dec 11	722.4	63.3	20298	20283	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-112B	Dec 11	349.3	63.1	19983	121	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-113A	Dec 14	1452.1	2.4	36411	35796	Spacecraft engaged in practical applications and uses of space technology such weather or communications
1978-113B	Dec 14	1464.1	2.4	36415	36262	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1978-113C	Dec 14	88.7	8.5	270	150	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-113D	Dec 14	1452.1	2.5	36411	35787	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1978-116B	Dec 16	106.4	28.3	1938	181	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on December 31, 1978:

1963-024B	1970-025LF	1975-004GQ
1965-082BC	1972-058AV	1975-099C
1965-082GC	1972-058DL	1978-071B
1965-082GD	1973-086FS	1978-088B
1965-082TR	1973-101A	1978-106B
1969-082CX	1974-075B	1977-065V
1970-025BR	1974-089BC	1977-065AZ

SUPPLEMENTAL INFORMATION:

The following revision should be made in the Report of November 31, 1978:

The following object achieved orbit since the previous report but was no longer in orbit as of 2400Z on November 30, 1978:

1978-106B	Nov 19	94.0	28.2	765	177	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements the registration data for the United States Space Launches as of 2400Z on January 31, 1979

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (kms.)	Perigee (kms.)	General Function of Space Object
New Objects in Orbit						
1979-007A	Jan 30	1416.2	27.8	43,214	27,581	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1979-007B	Jan 30	94.8	28.6	845	175	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on January 31, 1979:

1961-OM1-208	1972-058GQ
1964-083L	1975-004DW
1965-082DT	1975-004EC
1965-082GS	1975-004FX
1965-082MQ	1975-004GW
1972-058CY	1975-004GY
1972-058DE	1976-125A

Supplemental Information
The following revision should be made in the report of March 31, 1978:

Perigee for object 1978-029B should read 615km. vice 6.5km

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REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements the registration data for the United States Space Launches as of 2400Z on February 28, 1979

All launches were made from the territory of the United States unless otherwise specified

International Designation	Date of Launch	Nodal Period	Inclination	Apogee (kms.)	Perigee (kms.)	General Function of Space Object
New Objects in Orbit						
1979-013A	Feb 18	96.9	54.9	655	545	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1979-013B	Feb 18	96.7	54.9	658	547	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1979-017A	Feb 24	96.2	97.6	601	576	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1979-017B	Feb 24	96.2	97.6	596	571	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1979-017C	Feb 24	96.3	97.6	605	575	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on February 28, 1979:

1965-082KN
1965-082LE
1965-082LG
1965-082RZ
1972-058DB
1972-058DS
1972-058GJ
1972-058HK
1975-004H
1975-004DV
1975-003ES
1975-004FL
1975-004GF
1977-065T
1977-065BZ
1979-007B

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COMMITTEE ON THE PEACEFUL USES
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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 13 June 1979 from the Permanent Representative of Czechoslovakia to the United Nations addressed to the Secretary-General

The Permanent Representative of the Czechoslovak Socialist Republic to the United Nations presents his compliments to the Secretary-General of the United Nations and has the honour to advise that, in accordance with article II of the 1975 Convention on Registration of Objects Launched into Outer Space, the Czechoslovak Socialist Republic has established a Czechoslovak national register of objects launched into outer space by the Czechoslovak Socialist Republic within the INTERCOSMOS programme. The Czechoslovak Academy of Sciences is authorized to furnish the Secretary-General of the United Nations with the information referred to in article IV of the Convention.

In conformity with that article the Permanent Representative has the honour to transmit herewith information concerning a space object launched in co-operation with the Union of Soviet Socialist Republics on 14 November 1978.

Basic registration data on the Czechoslovak autonomous satellite MAGION in conformity with article IV of the Convention on Registration of Objects Launched into Outer Space

(a) Name of State (States) which launched the object: USSR together with Czechoslovakia*

(b) Designation of the space object and its registration number: MAGION, 1978-99C (registered in COSPAR)

* The Czechoslovak satellite MAGION was launched into orbit by the Soviet spacecraft INTERCOSMOS 18.

(c) Date of launching and territory from which it was launched: 24 October 1978 (14 November 1978) from the territory of the USSR*

(d) Basic orbit parameters:

Nodal period - 96.36 min.

Inclination - 82.96 degrees

Apogee - 772 km

Perigee - 404 km

(e) General function of space object: research of the magnetosphere and the ionosphere of the earth (magnetosphere-ionosphere satellite)

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* The Czechoslovak satellite MAGION forms a part of the scientific programme of INTERCOSMOS 18 launched from USSR territory on 24 October 1978. The Czechoslovak satellite MAGION was separated into an autonomous orbit on 14 November 1978.

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ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 20 June 1979 from the Permanent Representative of the United States of America to the United Nations addressed to the Secretary-General

The representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and has the honour to enclose certain registration data concerning objects launched into orbit or beyond by the United States in March 1979. This submission is in accordance with article IV of the 1975 Convention on Registration of Objects Launched into Outer Space.

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 2400Z on 31 March 1979

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1979-025A	Mar 16	88.5	96.3	246	170	Spacecraft engaged in investigation of spaceflight techniques and technology
1979-025B	Mar 16	97.0	95.7	625	616	Spacecraft engaged in investigation of spaceflight techniques and technology
The following object achieved orbit since the previous report but was no longer in orbit as of 2400Z on 31 March:						
1979-025C	Mar 16					Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 31 March 1979:

1964-045B	1972-058EW
1965-082CF	1972-061B
1965-082GG	1975-004AJ
1965-082LT	1975-004CG
1969-025F	1977-075A
1969-082CQ	1978-103B
1969-082GD	

SUPPLEMENTAL INFORMATION

The following revisions should be made:

November 1978 report: add 1975-004CQ to list of objects no longer in orbit as of 2400Z 30 November 1978.
December 1978 report: add 1975-004FQ to list of objects no longer in orbit as of 2400Z 31 December 1978.
June 1978 report: add 1976-029C to list of objects no longer in orbit as of 2400Z 30 June 1978.

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ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 25 June 1979 from the Permanent Representative of Canada to the United Nations addressed to the Secretary-General

The Permanent Representative of Canada presents his compliments to the Secretary-General of the United Nations and has the honour to refer to the 1976 Convention on Registration of Objects Launched into Outer Space.

In accordance with article IV of that Convention, the Permanent Representative of Canada is pleased to provide, in the attached annex, registration information concerning Canadian satellite ANIK B-1.

Annex

Name of launching State:	Canada
Designation:	ANIK-B-1
Date of launch:	15 December 1978
Location of launch:	Cape Canaveral, USA
Nodal period	
Inclination	Geostationary Orbit
Apogee	
Perigee	
Longitude:	109.0°
General function of space object:	Telecommunications
Operating entity:	Telesat Canada

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REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale date 13 July 1979 from the Permanent Mission of the Union of Soviet Socialist Republics to the United Nations addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article IV of the 1976 Convention on Registration of Objects Launched into Outer Space, has the honour to transmit herewith information concerning space objects launched by the Union of Soviet Socialist Republics during March and April 1979 and concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN MARCH 1979

1. In March 1979, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1341	Meteor-2	1 March	908	857	81.2	102.3	Acquisition of meteorological information required for use in the operational weather service with the aid of advanced equipment
1342	Progress-5	12 March	269	191	51.6	88.8	Delivery of fuel, consumable materials and equipment to the Salyut-6 station
1343	Cosmos-1080	14 March	320	180	79.2	89.2	Investigation of the upper atmosphere and outer space
1344-1351	Cosmos-1081 +Cosmos-1088*	15 March	1526	1455	74	115.4	Investigation of the upper atmosphere and outer space
1352	Cosmos-1089	21 March	1016	986	83	104.9	Investigation of the upper atmosphere and outer space
1353	Cosmos-1090	31 March	354	212	72.9	89.8	Investigation of the upper atmosphere and outer space

(Foot-notes on following page)

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* Space objects Nos. 1344-1351 were launched by a single carrier rocket.

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in March 1979 and were no longer in earth orbit at 2400 hours Moscow time, 31 March:

Cosmos-315/1969-107A
Cosmos-1006/1978-046A
Cosmos-1078/1979-016A
Cosmos-1079/1979-019A
Cosmos-1080/1979-023A

/...

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN APRIL 1979

1. In April 1979, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1354	Cosmos-1091	7 April	1024	985	83	105	Investigation of the upper atmosphere and outer space
1355	Soyuz-33	10 April	273	330	51.6	90.1	Flight under the Intercosmos programme of an international team consisting of N. N. Rukavishnikov (USSR) and G. I. Ivanov (Bulgaria)
1356	Cosmos-1092	12 April	1021	983	83	105	Investigation of the upper atmosphere and outer space
1357	Molniya-1	12 April	40590	656	62.9	735	Operation of the long-range telephone and telegraph radiocommunication system in the USSR and transmission of USSR central television programmes to stations in the Orbita network
1358	Cosmos-1093	14 April	650	625	81.3	97.3	Investigation of the upper atmosphere and outer space
1359	Cosmos-1094	18 April	457	437	65	93.3	Investigation of the upper atmosphere and outer space

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No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1360	Cosmos-1095	20 April	404	209	72.9	90.3	Investigation of the upper atmosphere and outer space
1361	Raduga	25 April	36000	36000	0.4	1442	Provision of uninterrupted round-the-clock telephone and telegraph radiocommunication in the USSR and simultaneous transmission of colour and black-and-white USSR central television programmes to stations in the Orbita network
1362	Cosmos-1096	25 April	457	439	65	93.3	Investigation of the upper atmosphere and outer space
1363	Cosmos-1097	27 April	357	180	62.8	89.6	Investigation of the upper atmosphere and outer space

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in April 1979 and were no longer in earth orbit at 2400 hours Moscow time, 30 April:

Molniya-2/1973-018A
Cosmos-1074/1979-008A
Progress-5/1979-022A
Cosmos-1090/1979-027A
Soyuz-33/1979-029A

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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 14 November 1979 from the Permanent Representative of the United States of America to the United Nations addressed to the Secretary-General

The representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and has the honour to enclose certain registration data concerning objects launched into orbit or beyond by the United States for the months of April, May, June and July 1979. This submission is in accordance with article 4 of the 1975 Convention on Registration of Objects Launched into Outer Space.

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 30 April 1979

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
None						
The following object not previously reported has been identified since the last report:						
1979-017D	24 Feb	96.2	97.7	599	559	Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 30 April 1979:

1965-082AN
1965-082LB
1969-082AE
1969-082EE
1970-107A
1971-067G
1972-002D
1972-058E
1972-058FL
1975-004AF
1975-004DN
1975-004ED
1975-004FN
1975-037A
1977-065X
1978-116B
1975-004BV

/...

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 2400Z on 31 May 1979

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1979-038A	4 May	634.1	27.1	35972	166	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1979-044A	28 May	88.7	96.4	292	144	Spacecraft engaged in investigation of spaceflight techniques and technology

The following objects were no longer in orbit as of 2400Z on 31 May 1979:

1965-021F
1965-082G
1965-082FC
1965-082GT
1965-082LA
1970-025EN
1972-091B
1974-077B
1975-004FG
1975-004GS
1977-065E
1977-004BT

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REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 2400Z on 30 June 1979

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1979-047A	2 June	97.2	55.0	653	601	Spacecraft engaged in investigation of spaceflight techniques and technology
1979-047B	2 June	97.2	55.0	651	601	Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects
1979-050A	6 June	101.4	98.7	838	827	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1979-050B	6 June	101.4	98.7	837	819	Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects
1979-050C	6 June	101.4	98.8	837	819	Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects
1979-050D	6 June	101.4	98.7	838	818	Spent boosters, spent manoeuvering stages, shrouds and other non-functional objects

.../

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit (continued)						
1979-050E	6 June	101.4	98.7	838	819	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1979-050F	6 June	101.4	98.7	838	818	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1979-053A	10 June	1448.0	1.9	36260	35800	Spacecraft engaged in investigations of spaceflight techniques and technology
1979-057A	27 June	101.2	98.8	824	807	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1979-057B	27 June	101.2	98.7	827	811	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following object achieved orbit since the last report but is no longer in orbit as of 2400Z on 30 June 1979:						
1979-053B						Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 30 June 1979:

1969-082HV
1969-082CU
1969-092BK
1965-082SP
1965-082JV
1965-082DJ
1965-082AD
1970-025FZ
1970-025MF
1972-058BT
1972-058EQ
1972-058FD
1972-058HB
1972-058HP
1975-004CC
1975-004EN
1975-004EV
1975-004GH
1977-065DE

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REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 31 July 1979

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
None						
The following object not previously reported has been identified since the last report:						
1979-053C	10 June	1 448.0	1.9	36255	35795	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects are no longer in orbit as of 2400Z on 31 July 1979:						1960-GAMMA 4 1965-A003A 1965-082LL 1965-082MR 1965-082PL 1972-058AG 1972-058AH 1973-027A 1975-004GB 1977-065DT 1979-017C

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COMMITTEE ON THE PEACEFUL USES
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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 26 November 1979 from the Permanent Mission of the Union of Soviet Socialist Republics to the United Nations addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article IV of the 1976 Convention on Registration of Objects Launched into Outer Space, has the honour to transmit herewith information concerning space objects launched by the Union of Soviet Socialist Republics during the period May-August 1979 and concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN MAY 1979

1. In May 1979, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1364	Progress-6	13 May	268	193	51.6	88.8	Delivery of fuel, consumable materials and equipment to the Salyut-6 station
1365	Cosmos-1098	15 May	382	180	72.9	89.8	Investigation of the upper atmosphere and outer space
1366	Cosmos-1099	17 May	274	224	81.4	89.2	Investigation of the natural resources of the earth in the interests of various branches of the national economy of the USSR and international co-operation
1367-1368	Cosmos-1100 Cosmos-1101*	23 May	230	199	51.6	-	Investigation of the upper atmosphere and outer space

/...

Basic orbit characteristics

No.	Name of space object	Date of launching	Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	General purpose of space object
1	2	3	4	5	6	7	8
1369	Cosmos-1102	25 May	288	222	81.4	89.2	Investigation of the natural resources of the earth in the interests of various branches of the national economy of the USSR and international co-operation
1370	Cosmos-1103	31 May	396	264	62.8	90.8	Investigation of the upper atmosphere and outer space
3171	Cosmos-1104	31 May	1022	979	83	104.9	Investigation of the upper atmosphere and outer space

* Objects 1367 and 1368 were launched by a single carrier rocket. All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in May 1979 and were no longer in earth orbit at 2400 hours Moscow time, 31 May:

Cosmos-1095/1979-034A
Cosmos-1097/1979-037A
Cosmos-1098/1979-040A
Cosmos-1099/1979-041A

Cosmos-1100/1979-042A
Cosmos-1101/1979-042B

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN JUNE 1979

1. In June 1979, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1372	Molniya-3	6 June	40769	473	62.5	735	Operation of the long-range telephone and telegraph radio communication system in the USSR and transmission of USSR central television programmes to stations in the Orbita network and as a part of international co-operation
1373	Soyuz-34	6 June	270	198	51.6	88.9	Checking of the operation of the spacecraft propulsion unit; transportation of the crew of the Salyut-6 station back to earth

/...

No.	Name of space object	Date of launching	Basic orbit characteristics: Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	General purpose of space object
1	2	3	4	5	6	7	8
1374	Cosmos-1105	8 June	221	223	81.4	89.2	Investigation of the natural resources of the earth in the interests of various branches of the national economy of the USSR and international co-operation
1375	Cosmos-1106	12 June	264	222	81.4	89.1	Investigation of the natural resources of the earth in the interests of various branches of the national economy of the USSR and international co-operation
1376	Cosmos-1107	15 June	328	209	72.9	89.5	Investigation of the upper atmosphere and outer space
1377	Cosmos-1108	22 June	272	224	81.3	89.1	Investigation of the natural resources of the earth in the interests of various branches of the national economy of the USSR and international co-operation
1378	Cosmos-1109	27 June	40130	626	62.8	720	Investigation of the upper atmosphere and outer space

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No.	Name of space object	Date of launching	Basic orbit characteristics: Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	General purpose of space object
1	2	3	4	5	6	7	8
1379	Progress-7	28 June	270	193	51.6	88.8	Delivery of fuel, consumable materials and equipment to the Salyut-6 station
1380	Cosmos-1110	28 June	833	792	74	101	Investigation of the upper atmosphere and outer space
1381	Cosmos-1111	29 June	353	264	63	90.4	Investigation of the upper atmosphere and outer space

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in June 1979 and were no longer in earth orbit at 2400 hours Moscow time, 30 June:

Cosmos-330/1970-024A
Soyuz-32/1979-018A
Progress-6/1979-039A
Cosmos-1102/1979-043A
Cosmos-1103/1979-045A
Cosmos-1105/1979-052A
Cosmos-1106/1979-054A
Cosmos-1107/1979-055A

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REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN JULY 1979

1. In July 1979, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1382	Gorizont	6 July	36550	36550	0.8	1477	Provision of telephone and telegraph radiocommunication and transmission of television programmes
1383	Cosmos-1112	6 July	552	345	50.7	93.4	Investigation of the upper atmosphere and outer space
1384	Cosmos-1113	10 July	350	180	65	89.5	Investigation of the upper atmosphere and outer space
1385	Cosmos-1114	11 July	558	507	74	95.2	Investigation of the upper atmosphere and outer space
1386	Cosmos-1115	13 July	263	222	81.4	89.1	Investigation of the natural resources of the earth in the interests of the various branches of the national economy of the USSR and international co-operation
1387	Cosmos-1116	20 July	649	608	81.2	97.1	Investigation of the upper atmosphere and outer space

No.	Name of space object	Date of launching	Basic orbit characteristics: Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	General purpose of space object
1	2	3	4	5	6	7	8
1388	Cosmos-1117	25 July	349	187	62.8	89.6	Investigation of the upper atmosphere and outer space
1389	Cosmos-1118	27 July	273	222	81.4	89.1	Investigation of the natural resources of the earth in the interests of various branches of the national economy of the USSR and international co-operation
1390	Molniya-1	31 July	40860	470	62.8	737	Operation of the long-range telephone and telegraph radiocommunication system in the USSR and transmission of USSR central television programmes to stations in the Orbita network

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in July 1979 and were no longer in earth orbit at 2400 hours Moscow time, 31 July:

Intercosmos-16/1976-076A
Cosmos-1108/1979-056A
Progress-7/1979-059A
Cosmos-1111/1979-061A
Cosmos-1113/1979-064A
Cosmos-1115/1979-066A

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REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN AUGUST 1979

1. In August 1979, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1391	Cosmos-1119	3 August	267	222	81.3	89.1	Investigation of the upper atmosphere and outer space
1392	Cosmos-1120	11 August	376	181	70.4	89.8	Investigation of the upper atmosphere and outer space
1393	Cosmos-1121	14 August	375	180	67.2	89.7	Investigation of the upper atmosphere and outer space
1394	Cosmos-1122	17 August	260	218	81.4	89.1	Investigation of the natural resources of the earth in the interests of various branches of the national economy of the USSR and international co-operation
1395	Cosmos-1123	21 August	266	221	81.4	89.1	Investigation of the natural resources of the earth in the interests of various branches of the national economy of the USSR and international co-operation

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No.	Name of space object	Date of launching	Basic orbit characteristics: Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	General purpose of space object
1	2	3	4	5	6	7	8
1396	Cosmos-1124	28 August	40070	620	62.8	724	Investigation of the upper atmosphere and outer space
1397	Cosmos-1125	28 August	834	795	74	100.9	Investigation of the upper atmosphere and outer space
1398	Cosmos-1126	31 August	421	208	72.9	90.5	Investigation of the upper atmosphere and outer space

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in August 1979 and were no longer in earth orbit at 2400 hours Moscow time, 31 August:

Cosmos-71/1965-053A
Cosmos-1065/1978-120A
Soyuz-34/1979-049A
Cosmos-1117/1979-068A
Cosmos-1118/1979-069A
Cosmos-1119/1979-071A
Cosmos-1120/1979-073A
Cosmos-1122/1979-075A

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COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 10 December 1979 from the Permanent Representative of the United States of America to the United Nations addressed to the Secretary-General

The representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and has the honour to enclose certain registration data concerning objects launched into orbit or beyond by the United States for the months of August and September 1979. This submission is in accordance with article IV of the 1975 Convention in Registration of Objects Launched into Outer Space.

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 2400Z on 31 August 1979

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal Period	Inclination	Apogee (kms.)	Perigee (kms.)	General function of space object
New objects in orbit						
1979-072A	10 Aug.	---CURRENT ELEMENTS NOT MAINTAINED---				Spacecraft engaged in practical applications and uses of space technology such as weather or communications
The following object achieved orbit since the previous report but was no longer in orbit as of 2400Z on 31 August 1979						
1979-072B	10 Aug.					Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 31 August 1979:

1961-OMI 212
1965-082P
1965-082NA
1965-082QY
1970-025J
1970-025KZ
1977-065BY
1977-065CV
1979-044A

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REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 2400Z on 30 September 1979

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (kms.)	Perigee (kms.)	General function of space object
New objects in orbit						
1979-082A	20 Sept.	94.5	43.6	504	485	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1979-082B	20 Sept.	92.2	43.7	409	354	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following object not previously reported has been identified since the last report:						
1979-050G	6 Jun	101.3	98.8	829	810	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects were no longer in orbit as of 2400Z on 30 September 1979:

1965-021C
1965-082DH
1965-082FX
1968-100B
1975-004E
1975-004BV
1975-004BR
1975-004CX
1975-004FB
1975-037B
1979-025A

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OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 23 January 1980 from the Permanent Mission of the Union of Soviet Socialist Republics to the United Nations addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article IV of the 1976 Convention on Registration of Objects Launched into Outer Space, has the honour to transmit herewith information concerning space objects launched by the Union of Soviet Socialist Republics during the period September-October 1979 and concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN SEPTEMBER 1979

1. In September 1979, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1399	Cosmos-1127	5 September	300	226	81.4	89.4	Investigation of the natural resources of the earth in the interests of various branches of the national economy of the USSR and international co-operation.
1400	Cosmos-1128	14 September	352	184	62.8	89.6	Investigation of the upper atmosphere and outer space.
1401	Cosmos-1129*	25 September	406	226	62.8	90.5	Biosatellite for the continued investigation of the effects of space flight on living organisms.
1402-1409	Cosmos-1130 +Cosmos-1137**	26 September	1 515	1 446	74	115	Investigation of the upper atmosphere and outer space.
1410	Cosmos-1138	28 September	398	210	72.9	90.2	Investigation of the upper atmosphere and outer space.

* Object 1401 carried scientific apparatus and biological objects from the USSR, the Czechoslovak Socialist Republic, France and the United States of America.

** Objects Nos. 1402-1409 were launched by a single carrier rocket.

All objects were launched from the territory of the USSR.

. The following space objects ceased to exist in September 1979 and were no longer in earth orbit at
400 hours Moscow time, on 30 September:

Cosmos-75/1965-053E
Intercosmos-11/1974-034A
Cosmos-1094/1979-033A
Cosmos-1121/1979-074A
Cosmos-1123/1979-076A

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN OCTOBER 1979

1. In October 1979, the USSR launched the following space objects:

	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
1411	Ekran	3 October	35 557	35 557	0.45	1 424	Transmission of colour and black-and-white USSR central television programmes to a network of receivers for collective use.
1412	Cosmos-1139	5 October	357	212	72.9	89.9	Investigation of the upper atmosphere and outer space.
1413	Cosmos-1140	11 October	818	781	74	101	Investigation of the upper atmosphere and outer space.
1414	Cosmos-1141	16 October	1 014	976	82.9	104.7	Investigation of the upper atmosphere and outer space.
1415	Molniya-1	20 October	40 640	640	62.8	736	Operation of the long-range telephone and telegraph radio-communications system in the USSR, transmission of USSR central television programmes to stations in the Orbita network.
1416	Cosmos-1142	22 October	408	208	72.9	90.3	Investigation of the upper atmosphere and outer space.
1417	Cosmos-1143	26 October	665	625	81.2	97.4	Investigation of the upper atmosphere and outer space.

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1418	Meteor-2	31 October	904	877	81.2	102.6	Acquisition of meteorological information required for use in the operational weather service with the aid of advanced equipment.

All objects were launched from the territory of the USSR.

. The following space objects ceased to exist in October 1979 and were no longer in earth orbit at 2400 hours Moscow time, 31 October:

Cosmos-885/1976-124A
Cosmos-900/1977-023A
Cosmos-1129/1979-083A
Cosmos-1138/1979-085A
Cosmos-1139/1979-088A

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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 25 January 1980 from the Permanent Representative of the United States of America to the United Nations addressed to the Secretary-General

The representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and has the honour to enclose certain registration data concerning objects launched into orbit or beyond by the United States for the months of October and November 1979. This submission is in accordance with article IV of the 1975 Convention on Registration of Objects Launched into Outer Space.

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 2400Z on 31 October 1979

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1979-086A	Oct 1	1445.5	7.5	41497	30443	Spacecraft engaged in investigation of spaceflight techniques and technology
1979-086C	Oct 1	--------CURRENT ELEMENTS NOT MAINTAINED----------				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1979-094A	Oct 30	93.6	96.8	550	348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1979-094B	Oct 30	93.6	96.8	550	347	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1979-094C	Oct 30	93.8	96.8	556	350	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following object not previously reported has been identified since the last report:						
1963-014DF	May 9	164.9	86.1	5149	2019	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following object achieved orbit since the last report but was no longer in orbit as of 2400Z on 31 October 1979:						
1979-086B	Oct 1					Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects were no longer in orbit as of 2400Z on 31 October 1979:						1965-082CN 1965-082R 1965-082M 1965-082L 1965-0MI-099 1969-051A 1972-058BM 1975-004DB

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REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States space launches as of 2400Z on 30 November 1979

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination	Apogee (km)	Perigee (km)	General function of space object
New objects in orbit						
1979-098A	Nov 21	1431	2.5	35789	35609	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1979-098B	Nov 21	1451	2.5	36375	35788	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1979-098C	Nov 21	1431	2.5	35789	35609	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following object achieved orbit since the last report but was no longer in orbit as of 2400Z on 30 November 1979:						
1979-098D	Nov 21					Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects were no longer in orbit as of 2400Z on 30 November 1979:						1965-039A 1965-082JC 1971-067H 1972-058HA 1972-061A 1975-004BE 1975-004BJ 1975-004BS 1979-082B

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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Letter dated 24 January 1980 from the Director-General of the
European Space Agency addressed to the Secretary-General

The information required under article IV of the Convention on Registration of Objects Launched into Outer Space is as follows:

(1) The third stage of the ARIANE L01 launch vehicle:

- Appropriate designator or registration number of the space object: ESA/79/1;
- Date and territory or location of launch: 24 December 1979, Kourou (French Guiana);
- Basic orbital parameters:
  - (i) Nodal period: 630 minutes
  - (ii) Inclination: 17.6°
  - (iii) Apogee: 36 021 km
  - (iv) Perigee: 200.8 km
- General function of the space object: third stage of the ARIANE L01 launch vehicle.

(2) The technological capsule (CAT):

- Appropriate designator or registration number of the space object: ESA/79/2;
- Date and territory or location of launch: 24 December 1979, Kourou (French Guiana);
- Basic orbital parameters: as for ESA/79/1;
- General function of the space object: technological capsule.

The principal mission of the technological capsule (with ballast), which was equipped with batteries having a lifetime of approximately eight orbits, was to transmit back to earth technological data on the first developmental flight L01 of the ARIANE launch vehicle. When the batteries were exhausted, the capsule ended its radio transmissions, and it is now inoperative but still in orbit.